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ABSTRACT

This guide contains 12 activities designed to encourage secondary school student inquiry, investigation, and action regarding local streams and rivers. The activities are sequential and organized into three topic areas. The first section consists of three activities that help orient students to their local watercourse. Students map a local watershed, explore a nearby river, and learn about the history of the river by interviewing local people. Two activities in the second section describe how to evaluate a variety of water quality parameters through field testing. The third section contains seven problem solving activities involving information gathered in the previous activities. Students identify problems, develop future goals, select an issue to address, contact organizations and decision makers related to the issue, develop an action plan, carry out the plan, and evaluate their action project. Suggestions are included for using computer networks to enhance students understanding. Appendices contain a teacher evaluation form and a case study of student action for use in Activity 10. (MDH)

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